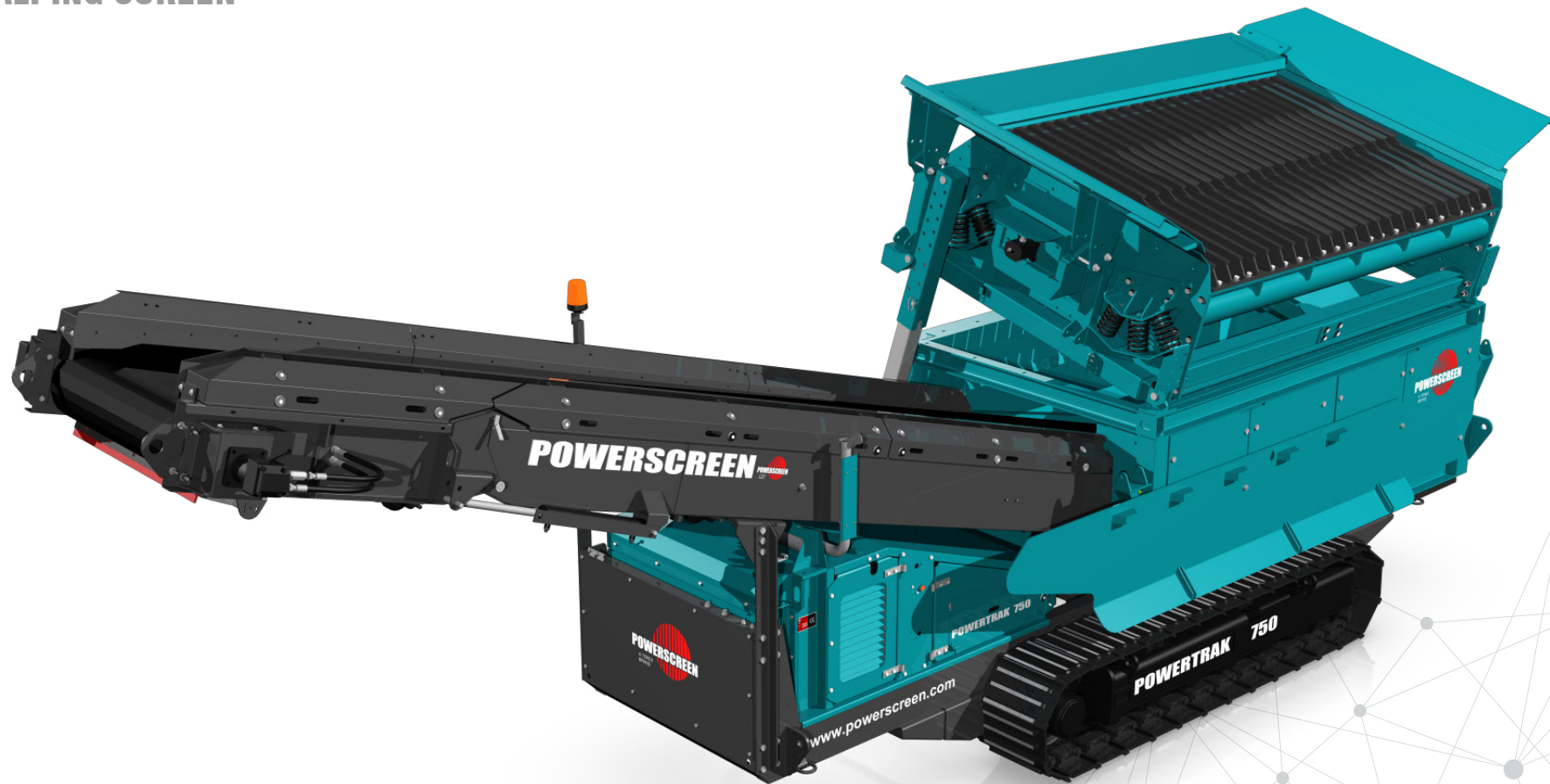


# POWERSCREEN® 750 POWERTRAK

SCALPING SCREEN



TECHNICAL SPECIFICATION - REV 6. 01/02/2023





## 750 POWERTRAK SCREEN



# OVERVIEW

## SPECIFICATION

<b>Total weight</b>	19,000kg (41,888lbs)
<b>Transport</b>	<b>Length</b> 9.44m (30' 11")
	<b>Height</b> 3.2m (10' 7")
	<b>Width</b> 2.82m (9' 3")
<b>Working</b>	<b>Length</b> 10.6m (34' 10")
	<b>Height</b> 4.1m (13' 5")
	<b>Width</b> 2.7m (8' 10")
<b>Screenbox:</b>	4.5m x 2.75m (14' 9" x 9')
<b>Power Unit</b>	Diesel Hydraulic
<b>Paint Colour</b>	RAL 5021, RAL 7024, & RAL 9005

(Weight & dimensions are approximate base unit values)

## FEATURES & BENEFITS

The Powerscreen® Powertrak 750 is a self-contained high capacity mobile scalping unit. With it's robust construction the Powertrak 750 can easily withstand the toughest scalping applications and is versatile enough to perform at an equally high level in fine screening applications.

The vibrating grid length offers a huge target area which ensures straightforward feeding with either a wheel loader or an excavator. This coupled with its compact, sleek design and ease of movement makes the Powertrak 750 the ultimate choice for contractors, quarry operators & recycling customers.

- High capacity up to 600tph / 660 US tph (depending on application & media fitted)
- Quick set-up and tear down times
- Easily transported
- Maximum mobility with heavy duty, low ground pressure tracks
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Efficient design with low fuel consumption
- User-friendly operation & maintenance
- Class-leading stockpiling capacity
- Easily accessed power unit canopy
- Powerscreen Pulse telemetry as standard

## APPLICATIONS



**Aggregate**  
Sand & gravel  
Blasted rock  
River rock



**Recycling**  
C&D waste  
Overburden  
Foundry waste  
Topsoil



**Mining**  
Processed ores  
Processed minerals



## 750 POWERTRAK SCREEN



# VIBRATING GRID & HOPPER

Split level scalping grizzly with 3 T-Bar interchangeable cassettes and feed plate, mounted on 12 heavy duty springs.

3 easy-to-change end-tensioned meshes on bottom deck

**Standard grid opening:** 150mm (6"), Optional: 100mm (4")

**Standard bottom deck woven mesh aperture:** 60mm (2.4")

**Grid opening:** 3.35m (11')

**Feed opening with wing plates:** 4.41m (14' 6")

**Grid length:** 2.6m (8' 6") (with feed plate)

**Grid aperture:** 100mm (4"), 150mm (6")

**Grid angle:** hydraulically variable between 2° and 25°

**Hopper capacity:** 5m<sup>3</sup> (6.5 cu.yd.)

Heavy duty feed shroud supported from grid sub-frame





## 750 POWERTRAK SCREEN



## DISCHARGE CONVEYOR

1200mm wide (3' 11"), EP 500 / 3 ply belt with 5+1,5mm cover

Hydraulic drive with steel skirting

Heavy duty impact roller in hopper

Max speed T3 : 80m/min,

T4 : 69m/min

Twin drive system

3.4m (11' 2") stockpile height

58m<sup>3</sup> (76 cu.yd.) stockpile capacity

Hydraulically folds for transport





## 750 POWERTRAK SCREEN



## TRACKS

**Track width:** 400mm (1' 4")

**Sprocket centres:** 2.96m (9' 8")

**Gradability:** 41.7°

Tracks fully protected by heavy duty deflector plate

Optional radio remote control







## 750 POWERTRAK SCREEN



# POWER UNIT & HYDRAULICS

### Engine Tier 3 Equivalent:

Deutz D914 L04i

### Performance:

53 kW (71hp) @ 2300rpm

### Engine Tier 4F:

CAT C2.2

### Performance:

50 kW (67hp) @ 1800rpm

### Engine Stage V:

CAT C2.2

### Performance:

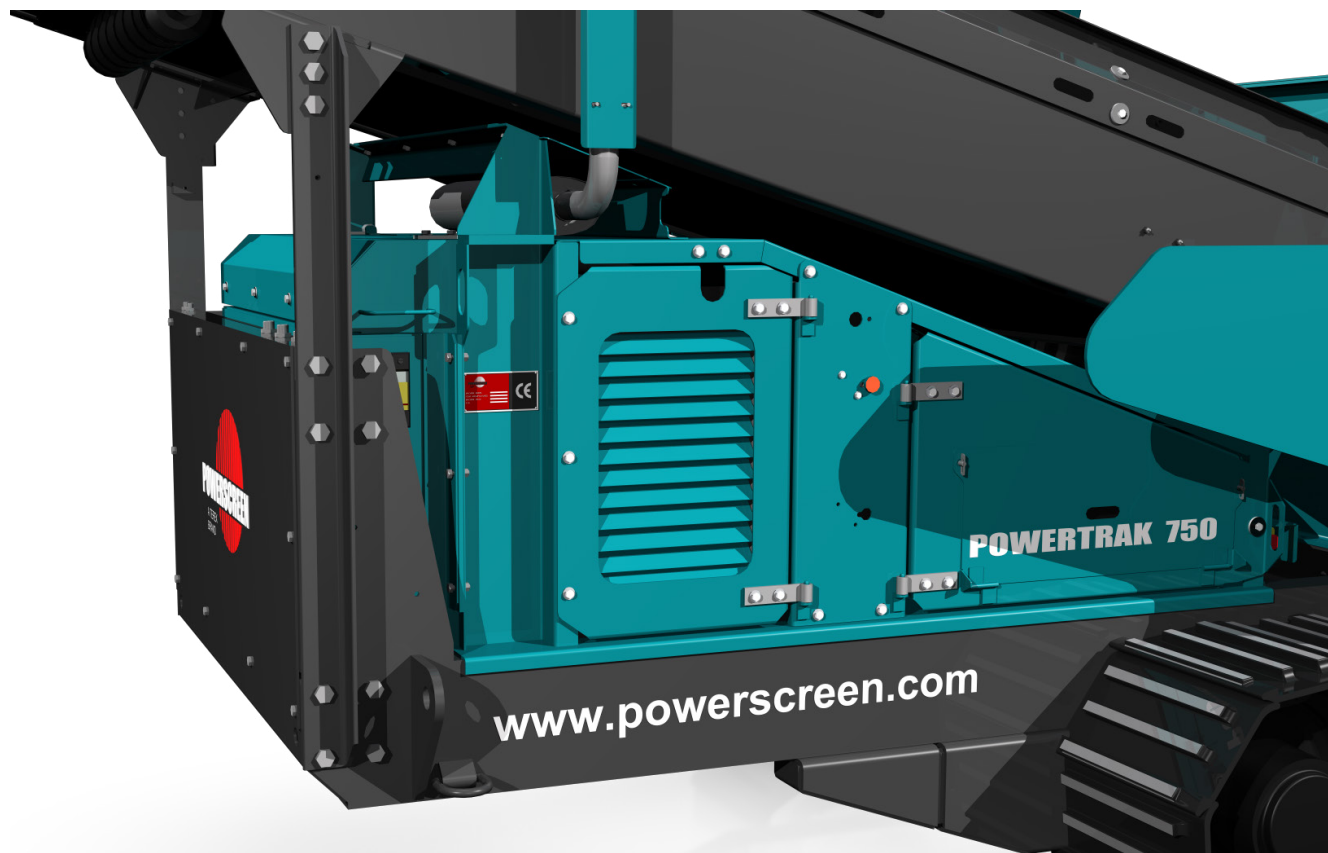
50 kW (67hp) @ 1800rpm

### Tank Capacities:

**Hydraulic tank T3:** 490 litres (129 US Gal)

**Hydraulic tank T4:** 460 litres (122 US Gal)

**Fuel tank:** 145 litres (38 US Gal)



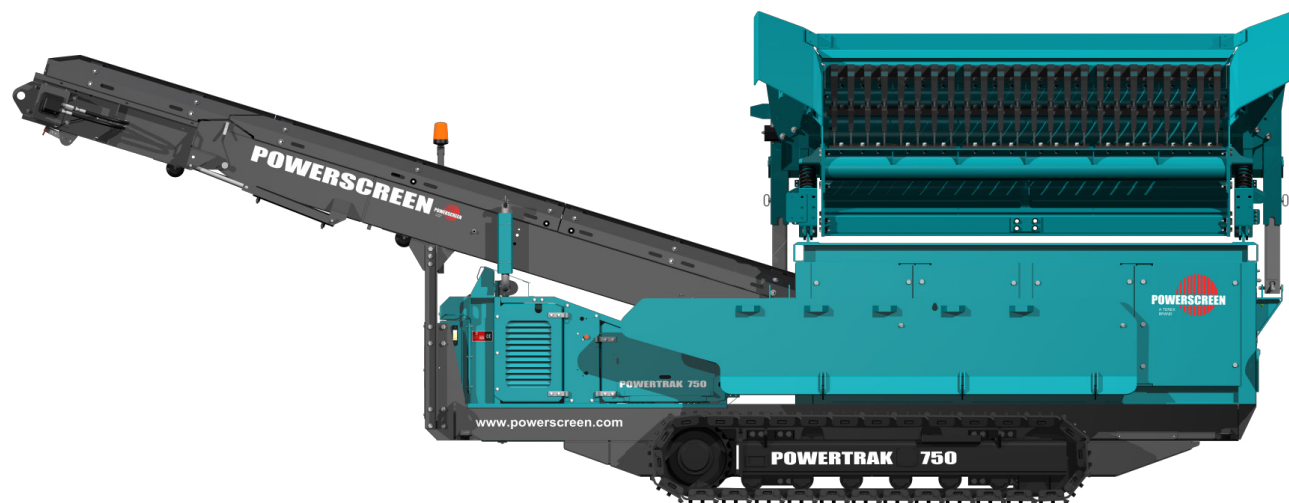


## 750 POWERTRAK SCREEN



## ↓ OPTIONS

- Radio controlled tracking
- Hydraulic oil grade 68
- 6mm wear resistant lining in hopper
- Custom colour machine





## 750 POWERTRAK SCREEN

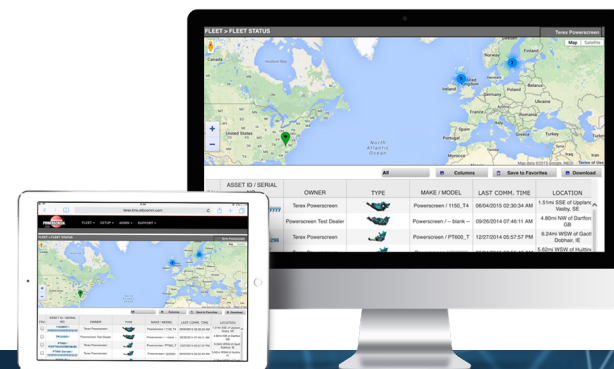


# **POWERSCREEN PULSE**

## RECORD, DISPLAY AND ANALYSE DATA:

HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Powerscreen Pulse is a system which allows the machine to relay performance and production data via phone networks, or by satellite when there's no cellular signal, to any device with a web browser, such as a PC, tablet or Smartphone. Please contact the factory for further information.



  
**AVAILABLE  
ANYWHERE  
AND AT ANY TIME**

  
**DASHBOARD  
DISPLAY**

  
**FLEET  
OVERVIEW**

  
**WEEKLY REPORT  
DIRECT TO YOUR  
INBOX**

  
**GPS: MACHINE  
TRACKING**

  
**REPORTING  
UTILISATION, PERFORMANCE  
& PART SPECIFIC**





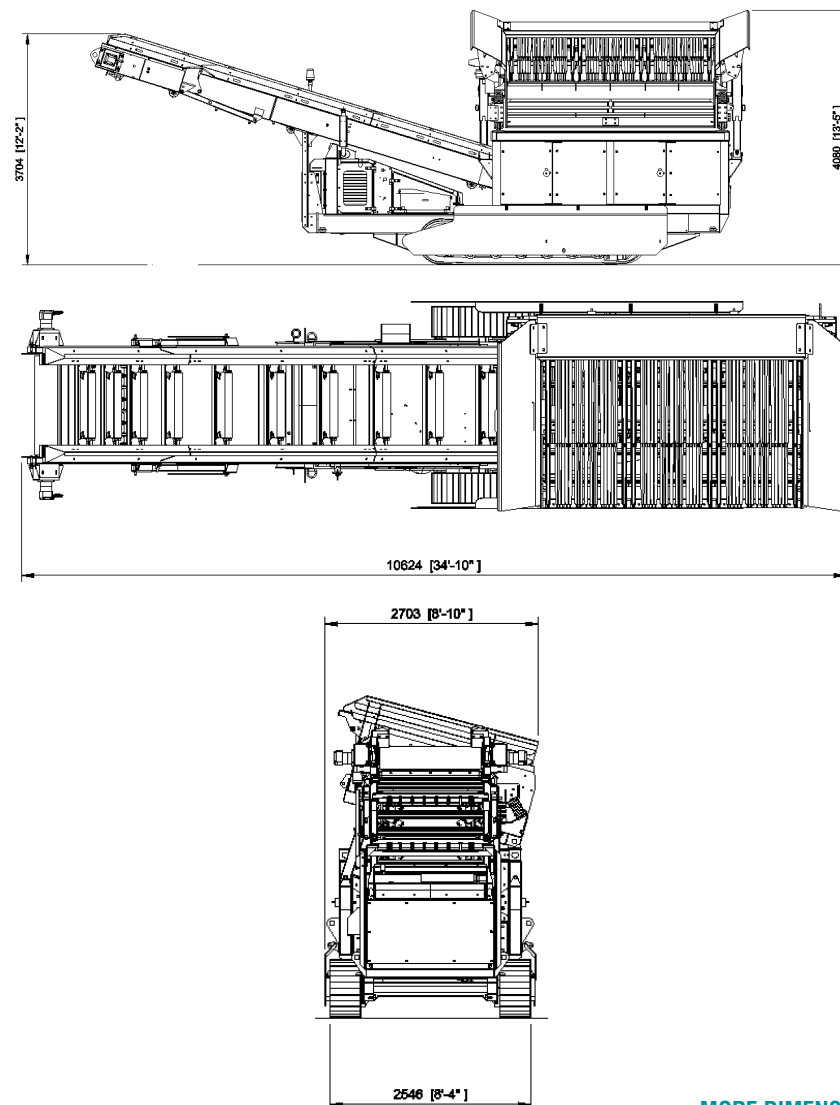


## 750 POWERTRAK SCREEN



# DIMENSIONS

Figure 1: Powertrak 750  
Working Position



MORE DIMENSIONS OVERLEAF

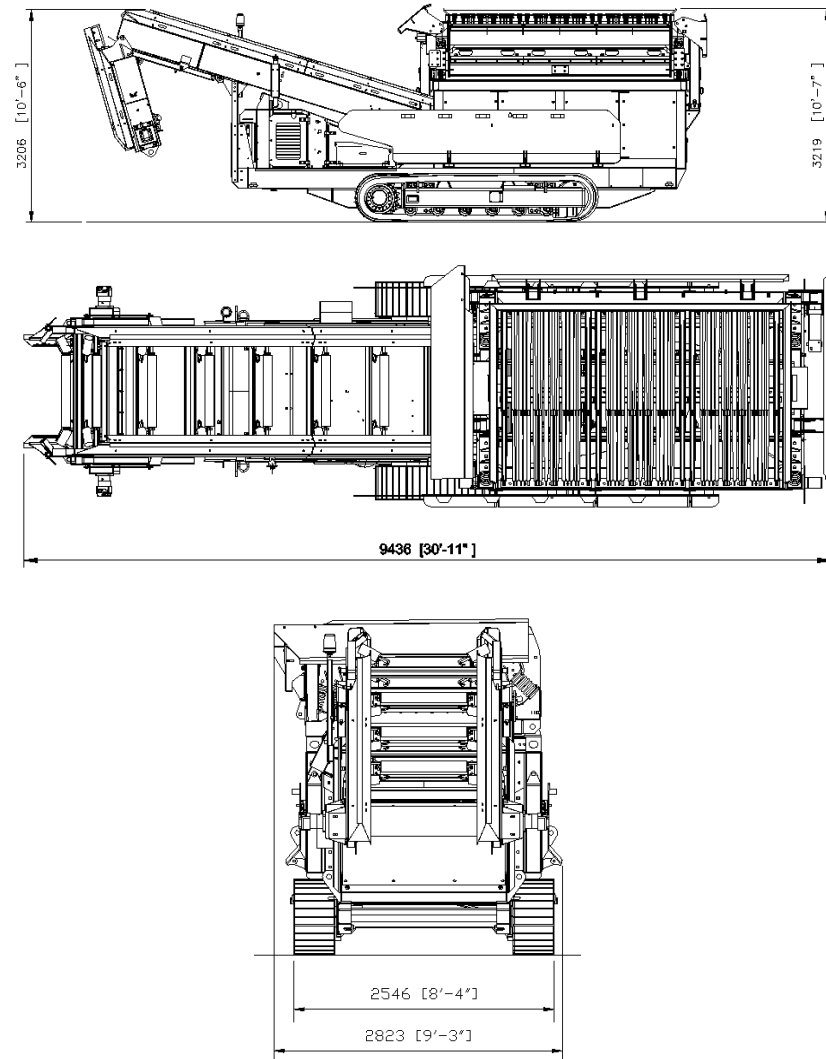


## 750 POWERTRAK SCREEN



## DIMENSIONS

Figure 2: Powertrak 750  
Transport Position





### **Powerscreen equipment complies with CE requirements.**

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

## **GET IN TOUCH**

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Fax: +1 502 736 5202



# APPENDIX 1 - ENGINE OPTIONS – Powerunit options that may be fitted in place of technical specification offering subject to availability

## Screens – Tier 4 Final

**CAT C4.4 82kW (110hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X 2 deck, Chieftain 2200 2 deck and Warrior 1800**

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) CAT C4.4 102kW (137hp) @ 2200rpm

**CAT C4.4 98kW (131hp) @ 2200rpm as per Chieftain 2100X 3 deck and Chieftain 2200 3 deck**

Option 1.) CAT C4.4 102kW (137hp) @ 2200rpm

**CAT C4.4 82kW (110hp) @ 1800rpm as per Chieftain 1700X and Warrior 1400X**

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

## Screens – Stage V

**CAT C4.4 102kW (137hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X, Chieftain 2200 and Warrior 1800**

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) JCB 4.8 81kW (109hp) @ 2200rpm

Option 3.) JCB 4.8 97kW (130hp) @ 2200rpm

Option 4.) Deutz TD3.6 100kW (134hp) @ 2200rpm

**CAT C4.4 98kW (131hp) @ 1800rpm as per Chieftain 1700X, Warrior 1400X and Warrior 2100**

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

Option 3.) JCB 4.8 80kW (108hp) @ 1800rpm

Option 4.) Deutz TD3.6 92kW (123hp) @ 1800rpm

